DATA SHEET

Mouse Albumin ELISA KIT

Research Reagent

For in-vitro laboratory use only

Please, read this instruction carefully before use.

This is a highly sensitive kit for measuring mouse albumin by ELISA.

Advantage

(1) This kit can measure mouse albumin with a high sensitivity (50-1000ng/ml),
(2) With a small volume of sample (5µl),
(3) With excellent reproducibility,
(4) And rapidly (2.5hours).

Reagents

A:Anti-albumin-coated plate	96well(8x12)	x1
B:Standard mouse albumin solution (10µg/ml)	150µl	x1
C:Buffer solution	60ml	x1
D:HRP-conjugated antibody	100µl	x1
F:Chromogenic substrate reagent (TMB)	12ml	x1
H:Reaction stopper (1M H_2SO_4)	12ml	x1
I:Concentrated washing buffer (10x)	100ml	x1

Preparation of reagent solutions

1	HRP-conjugate antibody Dilute the original solution to 1:100 with buffer solution.
2	Chromogenic substrate solution Use as it is without dilution.
3	Concentrated washing buffer Dilute with distilled water to 1:10.
4	Standard albumin solution. Prepare standard solutions as shown in a following example.

***An example of albumin standard solutions.**

Albumin standard concentration (ng/ml)	1000	800	600	400	200	100	50	0
Albumin standard solution (µl)*	50	400	300	200	100	100	100	0
Buffer solution (µl)	450	100	100	100	100	100	100	100

*For 1000µg/ml use the attached original standard solution. From 800µl/ml on, use the one rank higher standard solution.

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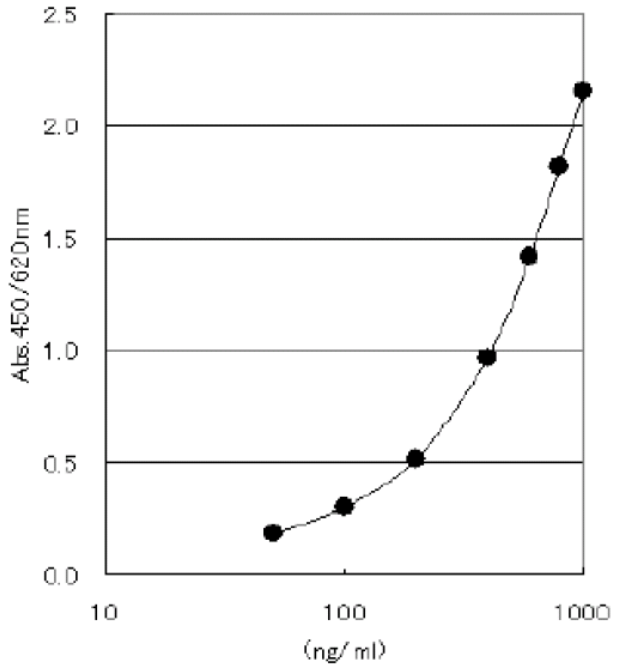
Assay Procedure

01) Rinse the anti-albumin coated plate 3 times with250µl washing buffer(I).
02) Pipette 50µl of buffer solution into each well.
03) Shake the plate, and pipette 5µl sample or standard albumin solution.
04) Shake the plate, and incubate for 1 hour at room temperature.(20-25C).
05) Remove the reaction mixture, and rinse the plate 3 times with each 250µl washing buffer.
06) Pipette 50µl of HRP-conjugated antibody solution into each well.
07) Shake the plate, and incubate for 1 hour at room temperature. (20-25C).
08) Rinse the plate 3 times with washing buffer as step 05.
09) Pipette 50µl of chromoqenic substrate solution into each well.
10) Shake the plate, and incubate for 20 minutes at room temperature (20-25C).
11) Pipette 50µl of Reaction stopper(H) into each well.
12) Shake the plate, and measure absorbance of each well at 450nm(sub wavelength 620nm) by a plate reader within 30 minutes.

Calculation of albumin concentration

1. Prepare a standard curve albumin concentrations (ng/ml) on X-axis and absrobancies on Y-xis.
2. Read albumin concentrations of assay samples from their absorbancies using the standard curve.
3. Calculate the albumin concentrations of original samples by multiplying the concentrations by dilution factors.

Mouse albumin standard curve (an example)



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Statements and Precautions as to Our Kits

*This assay kit should be used only for research works.
*The reagent solutions of the kit should be used principally immediately after dilution. Otherwise, keep them in a dark place at 2-8C,and use them within 3 days.
*The reagents were prepared to give accurate results by their combination within the kit. So, do not combine the reagents in the kit of other lot number. Even the lot number is the same, do not mix the reagents with those that are preserved for some period.
*Pipetting and dilution of the reagent solutions should be made accurately because these steps influence the assay precision.
*Do not dry the assay plate to avoid denaturation of the coated antibody or antigen.
*The reaction time should be counted from the onset of reagent pipetting.
*Prepare the standard curve in every assay.(For KIT with standard solution.)
*Dilution of the assay sample must be carried out using the buffer solution attached to the kit.
*Preservation condition for the kit should be strictly kept.
*Be careful not to allow the reagent solutions of the kit to contact to skin and mucus. Especially treat the stopping solution very carefully because it contains sulfuric acid.
*In treating assay samples of animal origin, be careful for possible biohazards.

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